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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/802,957

03/17/2004

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252210-1010

6553

24504

7590

11/27/2006

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EXAMINER

BOCURE, TESFALDET

ART UNIT

PAPER NUMBER

2611

DATE MAILED: 11/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



## **DETAILED ACTION**

### ***Drawings***

1. Figures 1-5 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Allowable Subject Matter***

2. Claims 1-21 are allowed.
3. The following is a statement of reasons for the indication of allowable subject matter: The claimed subject matter in claims 1-21 is allowable because the art of record fail to teach or fairly suggest the claimed "A method of path gain estimation for a downlink WCDMA (Wideband Code Division Multiple Access) system, the method comprising the following steps:  
encoding CPICH (Common Pilot Channel) symbols into a first pilot symbol sequence and a second pilot symbol sequence;  
transmitting the first and the second pilot symbol sequence by a first antenna and a second antenna respectively;  
receiving signals by a third antenna of a receiver;

Art Unit: 2611

decoding and despreading the received signals into received CPICH symbols; and

**determining the path gain by a STTD filter coefficient determination process (800**

**fig. 8) comprising a block selection process for selecting a combination of the**

**received CPICH symbol (802) s and a tap gain determination process for**

**determining weighted values (804) for the received CPICH symbols,** as in claims

1,8 and 15.”

### **Conclusion**

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patent numbers US patent number 6,611,675 and Patent Publication number US2002/0131382 to Salonen and Kim et al. respectively disclose an STTD transmission system having a transmitter and a receiver for respectively transmitting and receiving a first and second CPICH. This application is in condition for allowance except for the following formal matters:

The objection to figures 1-5 indicated above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-

Art Unit: 2611

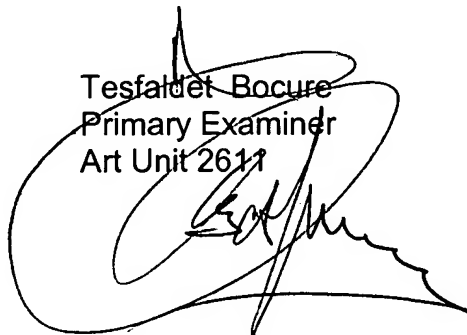
3015. The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayanti (Jay) Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tesfaldet Bocure  
Primary Examiner  
Art Unit 2611

T.Bocure

A large, stylized handwritten signature in black ink, written over the printed name and title of the examiner.